



Credit: NASA/JAXA/Lockheed Martin



Two images of an especially busy part of the sun taken by NASA/JAXA's Solar Optical Telescope on the Hinode spacecraft (top) and by NASA's Solar Dynamics Observatory (below). The sun frequently sends off explosive jets of charged particles and energy. These events can interfere with satellite communications and power grids. Play "Solar Tricktionary" and find out how much you know about our sun at <http://spaceplace.nasa.gov/solar-tricktionary>.

# OCTOBER 2014

[spaceplace.nasa.gov](http://spaceplace.nasa.gov)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>Energy Awareness Month.</b> Much of the energy we use makes pollution and greenhouse gases. What are those? <a href="#">../greenhouse</a>	<b>On this calendar</b> <a href="#">../means</a> <a href="http://spaceplace.nasa.gov/">spaceplace.nasa.gov/</a>		1 	2	3	4  <b>Sputnik, the first satellite,</b> was launched by the Soviet Union in 1957. We have come a long way with satellites. <a href="#">../earth-card-game</a>
5	6	7  In 1959, Lunik 3 took the <b>first photo of the far side of the Moon</b> . Why does the Moon look different throughout a month? <a href="#">../oreo-moon</a>	8 	9  <b>First two-way telephone conversation in 1876.</b> How do we communicate with faraway spacecraft? <a href="#">../dsn-game</a>	10	11
12	13  <b>Train Your Brain Day.</b> The Ozone Trap-n-Zap game will help! <a href="#">../ozone</a> <b>Columbus Day</b>	14  <b>Dessert Day.</b> Make yummy "El Nino Pudding" for dessert today. <a href="#">../el-nino</a>	15 	16  <b>Launch in 1975 of GOES-1,</b> the first weather satellite to take pictures of Earth at night. Play a game about the newest GOES. <a href="#">../satellite-insight</a>	17	18  <b>Sweetest Day.</b> A day to give sweets to those in need and those you love. Make your sweets star shaped. <a href="#">../star-cookies</a>
19	20	21  <b>Thomas Edison conducted the first successful test of electric light in 1879.</b> See what invisible light an electric light bulb puts out. <a href="#">../ir-matching</a>	22	23 	24	25
26	27	28  <b>International Animation Day.</b> Check out our 'snappy' animations about science. <a href="#">../menu-snap</a>	29  <b>Internet Day.</b> Celebrate by downloading some Space Place wallpaper for your computer desktop. <a href="#">../wallpaper</a>	30 	31  <b>Design a Halloween mask using the Emoticonstructor.</b> <a href="#">../emoticonstructor</a> <b>Halloween</b>	